POLREP 20
12th Street Dump Site
(aka 12th Street Landfill Site)
Near 12th Street ramp to I-495
Wilmington, DE 19802

ATTN: RRC
cc: A. Breslin
P. Welsh
Wilmington Council
G. Giles

I. SITUATION (as of 6 October 2000)
Event: CERCLA Removal Action
Approval of a Request for Additional Funding and Exemption from the 12 month and $2 Million Statutory Limits

A. Erosion and sedimentation control facilities continue to function properly. Siltation fencing has held, all drainage enters the sedimentation pond, and pond water remains clear. Dirt and debris from Site operations has clogged the rock check dam which now needs to be cleaned. No erosion from the site has been observed and ponded water remains clear. Tetra Tech delivered plans for Phase III of erosion and sedimentation control plans: final grade and cover on 25 September 2000 and these plans were delivered to DNREC.

B. START continues air monitoring for total respirable dust in air. Analytical results indicate concentrations far below risk based concentrations (0.00-0.02 mg per cubic meter).

C. On 22 September, OSC Towle had a meeting to discuss ARS equipment stored onsite at north end of the property, and use of property after EPA completes activities. In order to complete activities, ARS will have to move its equipment. Use of property will hinge on owner's permitted land use. EPA will install a cover material that will not negate desired land use while providing protection from threats posed by Site. Attendance at this meeting included representatives from DelDOT, DNREC, ARS, City of Wilmington Law Department, WEDCO, EPA, Guardian, START, private property owner, and tenant of parcel at north end of Site. DelDOT requested owner to vacate State property by 16 October 2000.

D. EPA Region III approved additional funding for this project, necessitated by increased area requiring soil cover. The OSC requested and received exemption from the 12 month and $2 million dollar statutory limits. Revised Site ceilings are indicated below.

E. ERRS groundwater sampling, which occurred on 7/31/00, was reanalyzed on 9/6/00. Results indicate that sample GP-1 had a lead result of 0.082 mg/L. All other samples were below the detection limit of 0.005 mg/L. Results indicate that contaminant is migrating from the Site soils into the environment (groundwater). Additional sampling on 9/6/00 by START at geoprobe sample location GP-3 supported the original sample results reported by ERRS.

F. Estimated Project Costs (as of 6 October 2000):

ORGANIZATION	COSTS TO DATE	CEILING
ERRS (Guardian)	$ 774,230	$2,070,000
START (Weston/TtEMI)	$ 30,676	$ 120,000
EPA	$ 52,358	$ 240,000
Unallocated	----------	103,000
TOTAL	$ 857,264	$2,533,000

II. ACTIONS

A. ERRS survey elevations of proposed swale area in order to ensure proper Site drainage. Swale will begin at north end of Site at elevation of 11 feet above sea level, and will terminate at the sediment retention pond at elevation 5.5 feet. The highest point of this swale corresponds to the original location of the drainage divide at this Site (very close to fenceline of storage area).

B. ERRS conducting final grading, and compacting the streambank with roller following the subgrade plan. Water (groundwater) seeps from the toe of the creek bank; this water causes orange (iron?) film on the sediment. This area produced this seepage and coloration prior to EPA Removal Action. Sampling of this seep is to be conducted by START.

C. START delivered grading/capping plans to OSC on 25 September 2000. Plans also delivered on 27 September 2000 to DNREC Sediment and Stormwater engineer for review. The cover process is anticipated to commence during the week of 9 October 2000.

D. ERRS used submersible pump and opened small drainage pathways in order to drain waters into the retention pond after heavy rainfall during the week flooded much of the Site.

E. ERRS regraded access areas of the Site and reconfigured stockpiles of soil and waste in order to continue subgrade activities per the subgrade plans.

III. FUTURE ACTIONS

III. FUTURE ACTIONS

A. On 3 October 2000, START will collect 3 water samples along the streambank at seepage areas. Two samples will be analyzed for total TAL metals. One sample will be analyzed for total TAL metals, pesticides/PCBs, cyanide, volatile organics, and semi-volatile organics. Each of the sample locations will be chosen based on seepage flow rate and the discoloration of soils evident at these locations. Turnaround time for results will be one week, with two samples for total TAL metals at 48 hour turnaround.

B. Grading and compacting soils onsite in preparation for capping activities.

C. Disposal of waste debris stockpiled onsite after proper sampling and waste classification.

D. Acquisition of articulating concrete block system (ACBs) and capping materials (soils, fabrics), followed by cap construction and installation.

E. Extraction of sheet piling and preparation of Site for winter season.

Michael Towle, OSC
EPA Region III
Philadelphia, PA